

# Queen Lizard and the Wizard Gizzard

Moonn Electronics

Use me to build a clone of the Lizard Queen by JHS and Electro Harmonix

Hi there!

Thank you for building me!

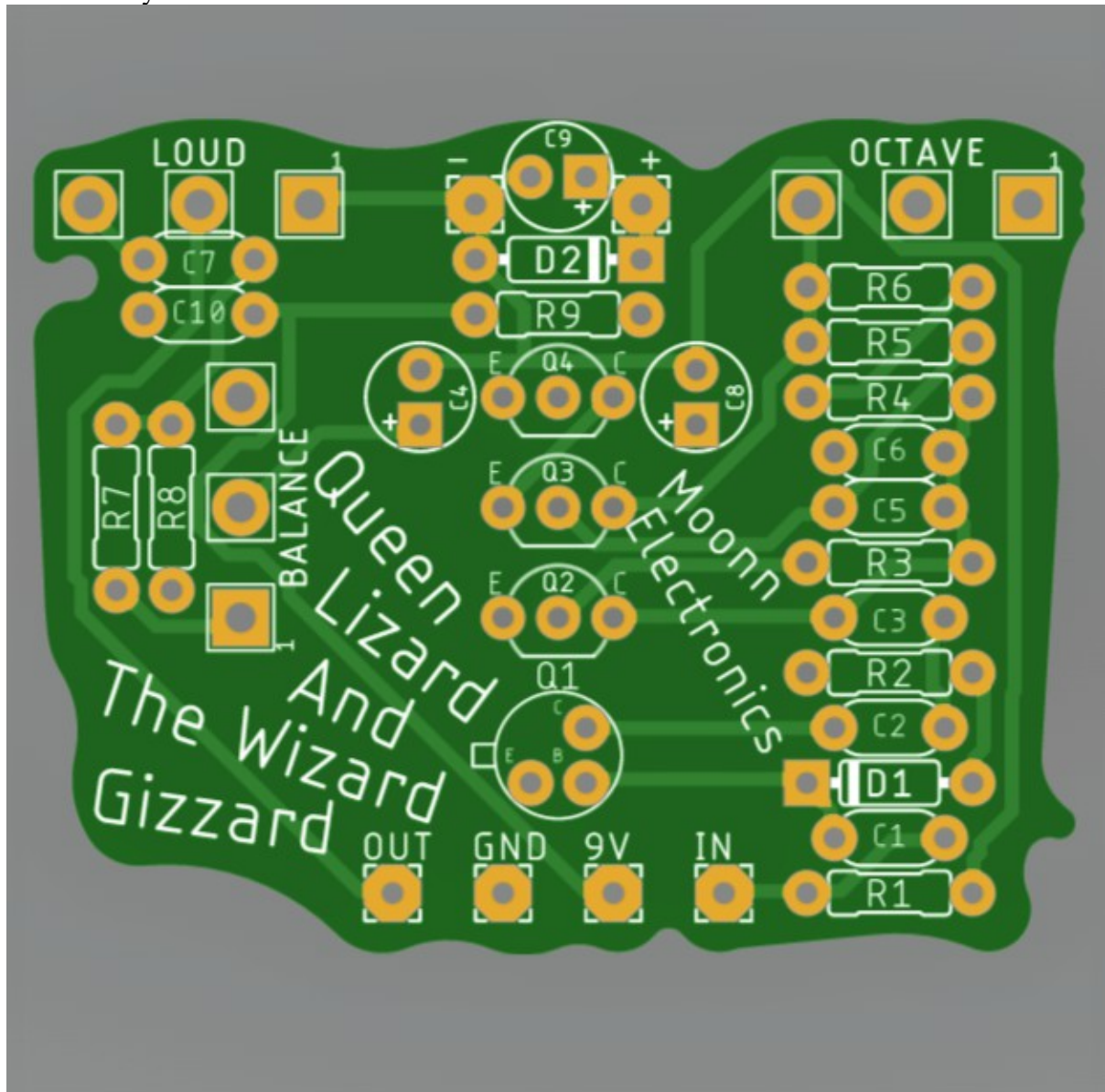
I am famous and I don't even get why

But I might as well own it

Just note that a few of my parts and values are estimates so feel free to do like EHX in the 70s and solder in whatever you currently have and vaguely fits

If you have any questions or anything else to say, just write an email to [moonnelectronics@gmail.com](mailto:moonnelectronics@gmail.com)

Have a nice day!



Moonn Electronics is in no way affiliated with JHS Pedals or Electro Harmonix

# Bill of Materials

For the cool looking version in the big box

| Qty | Value | Parts |
|-----|-------|-------|
|-----|-------|-------|

## Resistors

|   |      |            |
|---|------|------------|
| 1 | 470R | R9         |
| 3 | 10K  | R4, R6, R7 |
| 1 | 100K | R2         |
| 2 | 470K | R5, R8     |
| 2 | 1M   | R1, R3     |

## Ceramic and Film Capacitors

|   |       |                         |
|---|-------|-------------------------|
| 1 | 220p* | C3                      |
| 6 | 100n  | C1, C2, C5, C6, C7, C10 |

## Electrolytic Capacitors

|   |      |        |
|---|------|--------|
| 2 | 10u  | C4, C8 |
| 1 | 100u | C9     |

## Semiconductors

|   |         |    |
|---|---------|----|
| 1 | 1N4148* | D1 |
| 1 | 1N4001  | D2 |
| 1 | 2N2219A | Q1 |
| 1 | 2N5088  | Q2 |
| 1 | PN2222  | Q3 |
| 1 | Mpsa92  | Q4 |

## Potentiometers

|   |         |         |
|---|---------|---------|
| 1 | C1K     | BALANCE |
| 1 | A100K   | LOUD    |
| 1 | C100K** | OCTAVE  |

\*This is just a guess. You can try any silicon diode until you like the sound but since the small version uses a 1N4148 you will probably be happy with it

\*\*The original uses a B100K here but this one will give you a little better sweep

# Bill of Materials

For the more reasonably priced version in the smaller box

| Qty | Value | Parts |
|-----|-------|-------|
|-----|-------|-------|

## Resistors

|   |      |            |
|---|------|------------|
| 1 | 470R | R9         |
| 3 | 10K  | R4, R6, R7 |
| 1 | 100K | R2         |
| 2 | 470K | R5, R8     |
| 2 | 1M   | R1, R3     |

## Ceramic and Film Capacitors

|   |      |                         |
|---|------|-------------------------|
| 6 | 100n | C1, C2, C5, C6, C7, C10 |
|---|------|-------------------------|

## Electrolytic Capacitors

|   |      |        |
|---|------|--------|
| 2 | 10u  | C4, C8 |
| 1 | 100u | C9     |

## Semiconductors

|   |        |        |
|---|--------|--------|
| 1 | 1N4148 | D1     |
| 1 | 1N4001 | D2     |
| 2 | PN2222 | Q1, Q3 |
| 1 | 2N5088 | Q2     |
| 1 | 2N3906 | Q4     |

## Potentiometers

|   |        |         |
|---|--------|---------|
| 1 | C1K    | BALANCE |
| 1 | A100K  | LOUD    |
| 1 | C100K* | OCTAVE  |

\*The original uses a B100K here but this one will give you a little better sweep

# Bill of Materials

With values I kinda just guessed before people found out the proper ones and I guess you can still just try this...

| Qty | Value | Parts |
|-----|-------|-------|
|-----|-------|-------|

## Resistors

|   |      |            |
|---|------|------------|
| 1 | 470R | R9         |
| 3 | 10K  | R4, R6, R7 |
| 1 | 100K | R2         |
| 2 | 470K | R5, R8     |
| 2 | 1M   | R1, R3     |

## Ceramic and Film Capacitors

|   |       |                         |
|---|-------|-------------------------|
| 1 | 220p* | C3                      |
| 6 | 100n  | C1, C2, C5, C6, C7, C10 |

## Electrolytic Capacitors

|   |      |        |
|---|------|--------|
| 2 | 10u  | C4, C8 |
| 1 | 100u | C9     |

## Semiconductors

|   |           |    |
|---|-----------|----|
| 1 | 1N4148**  | D1 |
| 1 | 1N4001    | D2 |
| 1 | BC109**   | Q1 |
| 1 | 2N5088*** | Q2 |
| 1 | 2N2222*** | Q3 |
| 1 | 2N5087*** | Q4 |

## Potentiometers

|   |           |         |
|---|-----------|---------|
| 1 | C1K       | BALANCE |
| 1 | A100K     | LOUD    |
| 1 | C100K**** | OCTAVE  |

\*This is just an estimated value

Just solder in what you have laying around between 100p and 680p and you will probably be fine  
The small version released with EHX does not even have this cap so you can alsp just ignore it

\*\*These are guesses too

If you don't like the sound or it is too gated or whatever a good place to start might be to swap  
out one of these. But you probably will be fine since these too are good friends

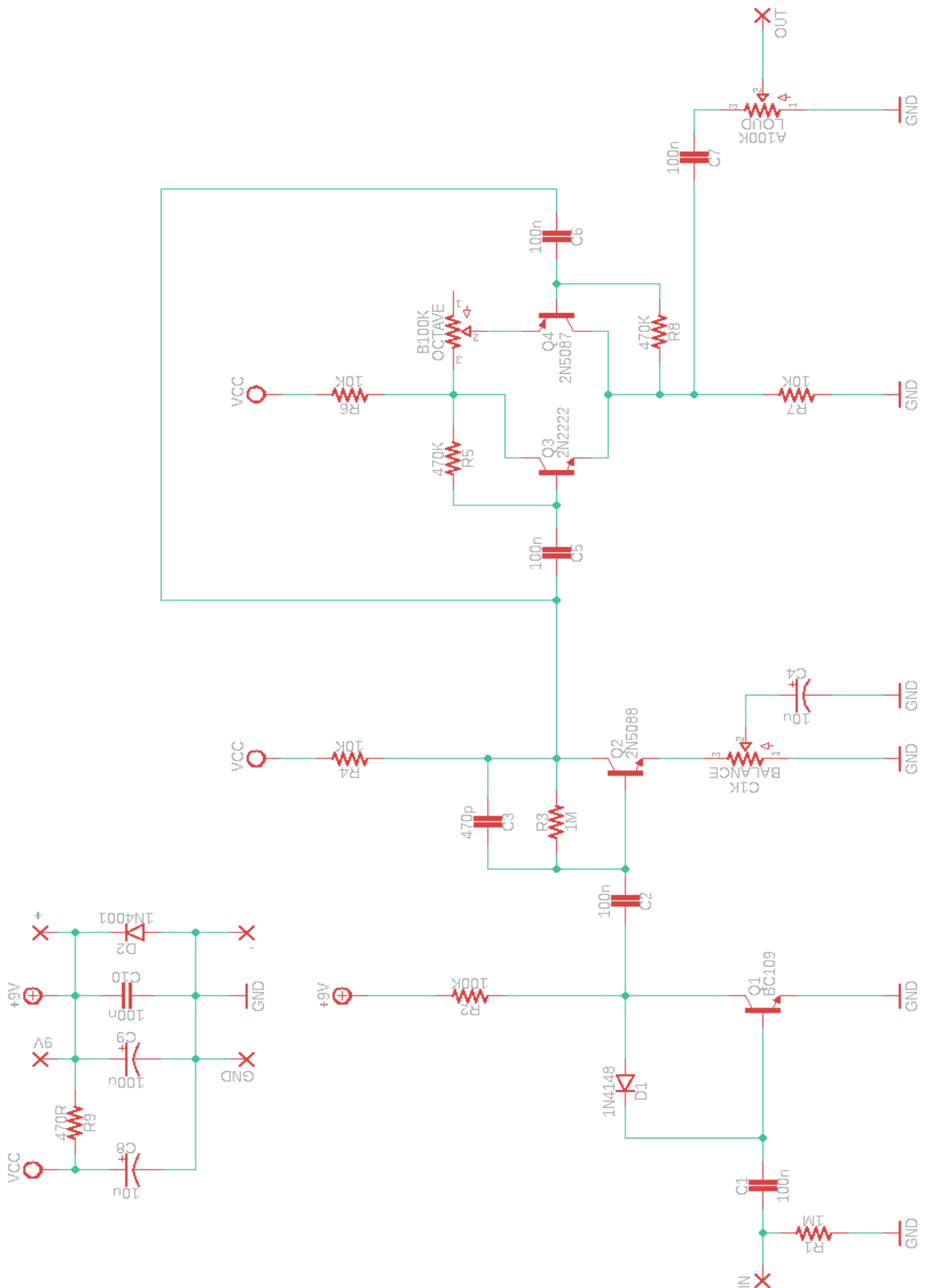
\*\*\*These three are guesses as well

But I am 99% sure that these are the ones in the schematic Josh looked at when designing this  
pedal so you can use them as well

\*\*\*\*The original uses a B100K here but this one will give you a little better sweep

## Schematic

Ignore the values on here and go with the BOMs



## Offboard Wiring

